

## About Brevard County Libraries

The Brevard County Libraries is made up of seventeen public libraries, and a pickup/drop off only location. Located on Florida's Space Coast. Brevard County is geographically unique at 72 miles long and 25 miles wide at the broadest point. This public library system offers more than 1.4 million books, DVDs, CDs, and other items to the county's 537,000 residents, 45 percent of whom have a library card.

## The Challenge

The Brevard County Libraries system was looking at a cost effective solution to manage and control the 18 geographically disbursed hotspot locations, and ensure a future proof wireless LAN technology that leverages the benefits of virtualization.

## The Solution

Brevard County Libraries selected ADTRAN's vWLAN solution based on VMware®, with Bluesocket® 802.11n access points deployed at all 18 locations.

## The Benefit

With ADTRAN's vWLAN solution, Brevard County Libraries has central control of all access points across 18 locations, and recognized significant costs savings by eliminating hardware-based controllers. In addition, role-based login credentials ensure traffic from underage patrons is directed through an in-line content filtering device to block offensive content.

# Brevard County Libraries Enhances User Experience and Security with vWLAN.

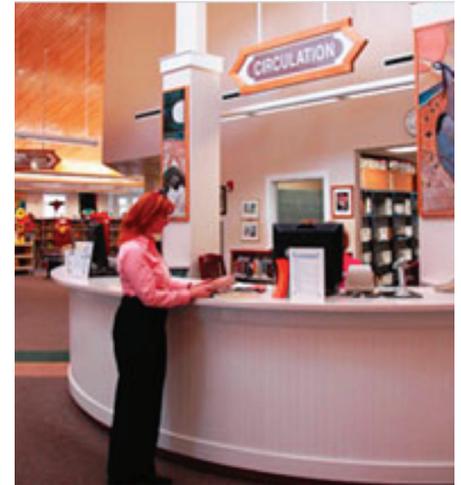
**Offering wireless connectivity to patrons and visitors, Brevard County Libraries selected ADTRAN®'s virtual Wireless LAN (vWLAN®) solution to cost effectively manage and control 18 geographically disbursed hotspot locations and to ensure a future proof WLAN technology that leverages all the advantages of virtualization.**

## Brevard County Libraries

Brevard County Libraries enables people of all ages to improve their quality of life by providing information and enrichment through traditional resources and new technology. This public library system strives to offer services that meet the needs of the local community.

The Internet is an important resource toward meeting their mission of providing citizens with current information, educational materials, and lifelong learning opportunities. For children and youths the Internet can offer many benefits, including homework help, assistance with science research projects, job applications, as well as access to numerous educational websites.

To support this mission every Brevard County library has computers with internet access that patrons may use at no charge and free computer classes are offered at some libraries. Free public internet access is also offered for persons with wireless-enabled portable



**"The vWLAN helps us share information in a way we never could before—befitting the information age."**

**Michael Renninger, Information Systems Tech II,  
Brevard County I.T.**

computers or Personal Digital Assistants (PDAs). This allows visitors to quickly and easily connect and access the library online resources, databases and the Internet. This service uses the library's network resources to connect to the Internet and as such provides the same connectivity as the wired patron public access computers installed at the library locations when connected to the service as a guest account.

## The Challenge for Brevard County Libraries

With designated Wi-Fi® hotspot locations clearly marked within all of the 18 Brevard County Library buildings, wireless usage within the libraries is now at an all-time high. Connection to the service using a Brevard County Library card allows the patron to access some services not available using the public access computers—such as Instant Messaging and email using an email client program.



“As a library in the information age it is important for us to stay relevant. ADTRAN’s wireless technology helps our patrons access information quickly and easily.”

Michael Renninger,  
Information Systems Tech II,  
Brevard County I.T.

### The Solution

ADTRAN’s deployment included; vWLAN controlling Bluesocket 802.11n access points deployed across all 18 library locations.

### The Benefits of ADTRAN’s vWLAN

- Elimination of the physical WLAN hardware controller completely to leverage the scale capabilities of virtualization
- Scaling wireless capabilities through software on the access point and virtualized control rather than wireless-only hardware
- Security at the access point to ensure that unwanted and undifferentiated traffic never enters the LAN
- Simplified implementation and expansion due to a software-based virtual controller
- Support of the SIP2 protocol for patron authentication provides various functions such as preventing delinquent patrons from making requests
- Reinforcement of CIPA (Children’s Internet Protection Act) compliancy with role-based login credentials that direct underage patron traffic to an inline content filtering device to restrict access of unsuitable content
- Support of current eBook collection (contains more than 27,000 netLibrary eBooks) and readiness for future eBook initiatives
- Visibility of and defined access for patron, guest and staff wireless usage via role-based login credentials
- Investment protect with vWLAN, a future proof WLAN solution, ends the perpetual cycle of controller hardware upgrades
- Cost savings recognized from:
  - implementing a virtual software-controller rather than costly hardware-based controllers expenditures
  - a reduction of energy costs since a hardware-controller accounts for 80 percent of the power costs

With their deployment ADTRAN’s vWLAN solution, the Brevard County Libraries can now cost effectively and effortlessly scale across 18 hotspot locations to ensure ideal network access and an optimal experience for all users.



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